# County of Smoky Lake No. 13

# Lake Planning Framework

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# County of Smoky Lake #13
# Lake Planning Framework

prepared by
Planning Branch
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MUNICIPAL AFFAIRS

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# 1.0 Introduction

## 1.1 Background Information

In 1973 the Province of Alberta established the Alberta Land Use Forum to consider various aspects of land use in Alberta. Technical background reports were prepared for various topic areas, including lakes. The major finding of the Forum's *Technical Report No. 12 – Use of Our Lakes and Lake Shorelands (1974)* was "that the real supply of lakes and lake shorelands has to be assessed and that priority decisions will have to be made as to the need for particular uses." (pp.I-1, I-2)

The Provincial Planning Branch and the Regional Planning Commissions responded to this finding by developing lake inventories and classification systems for their respective jurisdictions. The Planning Branch completed a *Regional Lake Classification (for) The Lakeland Region* in 1978. This was an initial classification of the region's lakes based on the Canada Land Inventory's assessment of natural resource potential. However, it was recognized that a planning framework for the Lakeland Region should take into consideration additional factors such as existing land use, access, lake size and location.

A lake planning framework for most of the Lakeland Region was initiated by the Provincial Planning Branch in 1980. The boundaries of the region studied are shown on *Map 1 – Regional Context*. The region was broken down into its five component rural municipalities. Individual lake planning frameworks have been prepared for each municipality.

It is intended that this report be used in combination with information and policies available from other government and private agencies. The Lake Planning Framework addresses one aspect of lakes: their apparent recreation potential based on resource capability and existing use. Various government departments have concerned themselves with other facets of lake use and management such as water management (Alberta Environment: Cold Lake-Beaver River Water Management Study), resource development on Crown lands (Alberta Energy and Natural Resources: Lakeland Integrated Resource Plan), provincial recreation facilities (Alberta Recreation and Parks), and tourism potential (Alberta Tourism and Small Business). Municipalities and others intending to use this report should also therefore refer to the aforementioned agencies for additional information for planning or similar purposes.

## 1.2 Purpose and Objectives

*The primary purpose of this project is to provide data and information to municipal and provincial agencies which may be used in determining the appropriate use and management of the lakes within the region.* This is in response to the steady increase of lake-oriented recreation development over the last twenty years, and the growing awareness that the lake resources of the region should be well managed.

Specific objectives of the project are as follows:

1) Development of a data base for individual lakes and their shorelands in the region
2) Designation[1] of lakes based on data collected
3) Investigation into methods of application

The first objective, that of data collection, has for the most part been achieved. The Planning Branch now has a substantial amount of information on the region's lakes. Based upon this information the second and third objectives have been addressed, as outlined in the remainder of this report.

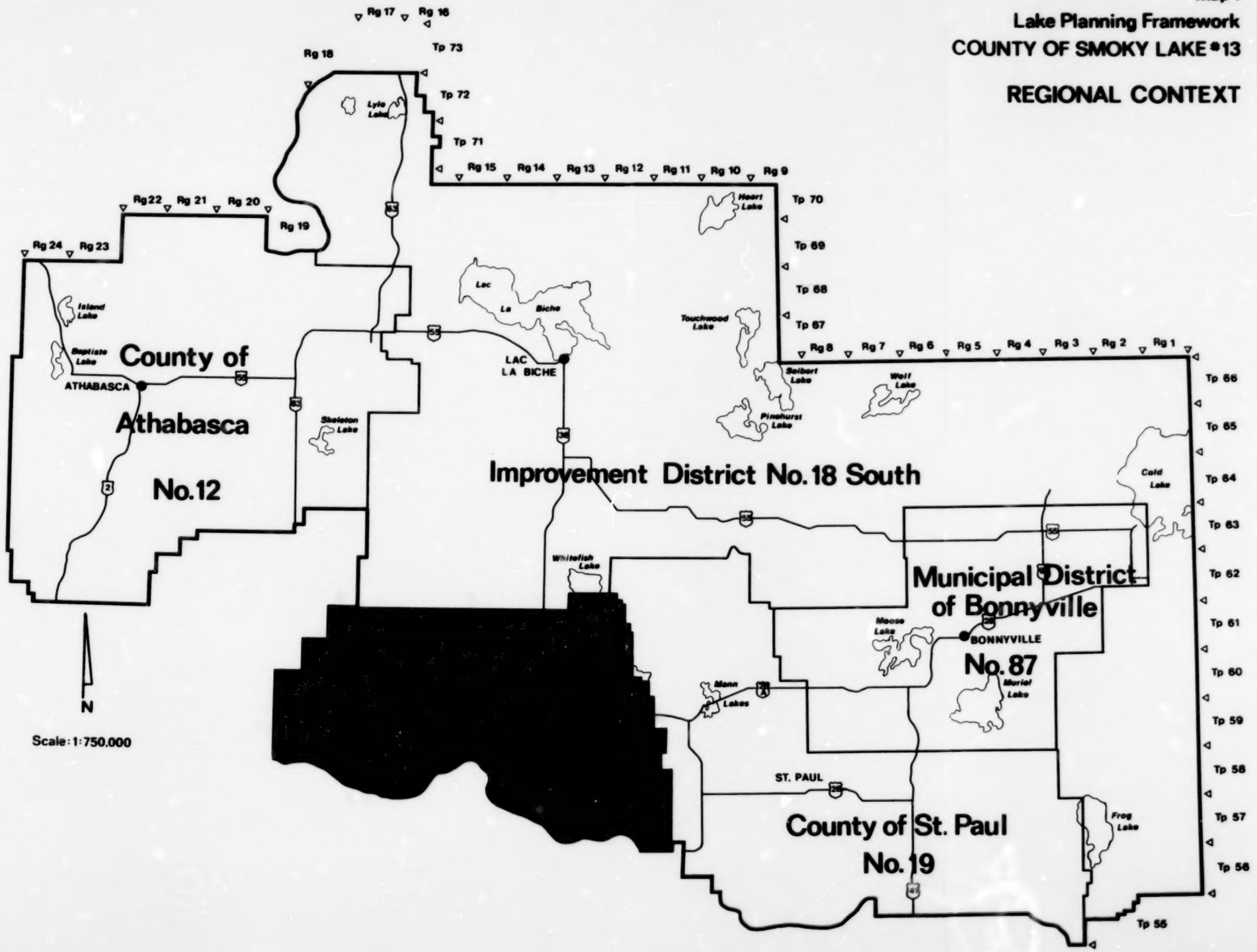
NOTE 1. The term "designation" in this report in no way implies a legal designation such as might be found in a land use bylaw or statutory plan. It simply indicates an option for the use and management of a lake, based on the information which has been compiled.

Map 1

Lake Planning Framework

COUNTY OF SMOKY LAKE #13

# REGIONAL CONTEXT



# 2.0 Classification System

## 2.1 Overview

All lakes in the region over 32 ha in size have been assigned one of three possible designations: recreation, conservation or preservation. The designations indicate the type of use or uses for which the lakes appear to be most suited. They do not preclude other types of uses which have not been addressed, such as municipal or industrial. These other uses may, in many cases, co-exist.

The following sections define each of these designations and explain the rational used in assigning them. It should be noted that Council has reviewed the designations for lakes within its jurisdiction. Its familiarity with local lakes has aided in assessing the resource potential of the various lakes.

## 2.2 Recreation Lakes

### Definition

Recreation lakes include two types of lakes: lakes which have potential for intensive recreational use; and lakes which are already used for intensive recreation. It is important to note the difference between these two categories; while all of the lakes in the first category appear to have potential for future intensive recreation use, some of the lakes in the second category have already been extensively developed and have little or no remaining potential.

The definition of a recreation lake reflects the two-fold nature of this group of lakes:

*A recreation lake is a lake which is presently used, or has the potential to be used, for intensive recreational activities such as camping, swimming or country residences (e.g. cottages).*

The designation of a lake as recreational does not mean that the entire lake shoreline can, or should be developed and used for intensive recreation. Many lakes are only suited to this type of use in specific areas, and may in fact have other areas which should be preserved in a natural state, or used at only a low scale, extensive level.

### Methodology for Designation

The first step taken in designating recreation lakes was to examine the capability of the lakes' natural resources to support intensive recreation and sport fishing. This information is available in the Canada Land Inventory, which classifies units of land or water on a scale of one (highest capability) to seven (lowest capability). Lakes which were considered to have possible recreation potential were those with Class 1 to 4 recreation shoreline, or Class 1 to 2 sport fishing capability.

Some additional lakes were added to this category based on discussions with the Council. It should also be noted that any lake which appeared to have a high capability for both wildlife and recreation was included in the recreation category at this stage.

Additional information was collected for all of the lakes identified as possible recreation lakes. A profile, summarizing the information gathered, was developed for each of these lakes. The lake profiles for the County of Smoky Lake appear in Appendix B.

In addition to summarizing available information for the lakes, each lake profile contains reference to any policies affecting the lake, an assessment of the overall recreation potential of each lake and a recommended designation. The major factors considered (when such information was available) in arriving at these recommendations were:

i) quantity and quality of recreational shoreline
ii) soil capability for recreational use, especially in areas of high capability recreational shoreline
iii) suitability of slope to recreation uses
iv) type, level, and location of existing recreation development
v) water quality

## 2.3 Conservation Lakes

### Definition

*A conservation lake is a lake which has limited recreational potential and little wildlife significance. Some limited, low intensity recreation activity such as hiking trails or backshore country residences may be possible in some instances.*

### Methodology for Designation

All lakes which do not have significant potential for intensive recreation, and in addition do not have valuable wildlife requiring protection, have been designated as conservation lakes. The purpose of this designation is to recognize those lakes which have little traditional recreation value but nonetheless contribute to the natural beauty and character of the region.

## 2.4 Preservation Lakes

### Definition

*A preservation lake is a lake which, because of its high value as an existing or potential wildlife production area, should be protected and remain undeveloped. The only type of recreational activities which should occur are sport fishing, hunting or wildlife observation.*

### Methodology for Designation

The designation of preservation lakes was based on an assessment of each lake's wildlife resources. The factors considered were:

1. Capability of shoreline to support ungulates (hooved animals)
2. Capability of lake to support waterfowl
3. Capability of lake to support sport fishing
4. Existence of ungulate or waterfowl production
5. Existence of nesting sites for endangered or sensitive species of birds and waterfowl.

The methodology used to rate each lake is explained in Appendix A.

# 3.0 Lake Designations

## 3.1 Lakeland Region

The classification system described in Section 2 has been applied to the entire Lakeland Region. Tables 1 to 5 summarize the distribution of the three types of lakes within the region. This information helps to develop an overall picture of the Lakeland Region's resources. Specific lake issues and concerns can then be viewed within the broader context of the County of Smoky Lake and the region.

Table 4, for the County of Smoky Lake, indicates that the County contains 41 lakes in total. Twenty percent of these lakes have been designated recreation, 44% conservation and 37% preservation. Nine percent of all of the recreation lakes in the Lakeland Region are located in the County; similarly, 11% of all conservation lakes and 11% of all preservation lakes are in the County.

## 3.2 County of Smoky Lake

A closer look at the lake resources in the County of Smoky Lake is provided by Table 6, which lists each of the lakes in the municipality and their designations. This information has also been mapped in order to illustrate the relative location of the various lakes, and areas where lakes of similar nature are concentrated (Map 2).

It should be remembered that the evaluation and resultant designation of the lakes is based on a general level of information. It is assumed that site specific investigations in such areas as soil analysis, groundwater supply, lake water quality analysis and user surveys need only be carried out for those lakes which the County of Smoky Lake wishes to examine in more detail.

*The lake planning framework is not a substitute for individual lake studies or plans. It provides, as its name suggests, a framework for the County of Smoky Lake and other people or agencies to use in considering appropriate uses for various lakes.* In most instances more detailed site analysis should be carried out prior to decisions being made on specific development proposals or lake management strategies.

## TABLES 1 TO 5
## NUMBER AND PERCENTAGE OF LAKES BY DESIGNATION FOR MUNICIPALITY AND REGION

### TABLE 1 – IMPROVEMENT DISTRICT #18 SOUTH

| LAKE DESIGNATIONS | NUMBER OF LAKES | % OF I.D. LAKES | % OF REGION'S LAKES WITH SAME DESIGNATION |
|---|---|---|---|
| RECREATION | 37 | 17 | 41 |
| CONSERVATION | 104 | 48 | 63 |
| PRESERVATION | 75 | 35 | 54 |
| TOTAL | 216 | | |

### TABLE 2 – MUNICIPAL DISTRICT OF BONNYVILLE #87

| LAKE DESIGNATIONS | NUMBER OF LAKES | % OF M.D. LAKES | % OF REGION'S LAKES WITH SAME DESIGNATION |
|---|---|---|---|
| RECREATION | 6 | 23 | 7 |
| CONSERVATION | 5 | 19 | 3 |
| PRESERVATION | 15 | 58 | 11 |
| TOTAL | 26 | | |

### TABLE 3 – COUNTY OF ATHABASCA #12

| LAKE DESIGNATIONS | NUMBER OF LAKES | % OF COUNTY LAKES | % OF REGION'S LAKES WITH SAME DESIGNATION |
|---|---|---|---|
| RECREATION | 15 | 33 | 17 |
| CONSERVATION | 19 | 42 | 12 |
| PRESERVATION | 11 | 24 | 8 |
| TOTAL | 45 | | |

### TABLE 4 – COUNTY OF SMOKY LAKE #13

| LAKE DESIGNATIONS | NUMBER OF LAKES | % OF COUNTY LAKES | % OF REGION'S LAKES WITH SAME DESIGNATION |
|---|---|---|---|
| RECREATION | 8 | 20 | 9 |
| CONSERVATION | 18 | 44 | 11 |
| PRESERVATION | 15 | 37 | 11 |
| TOTAL | 41 | | |

TABLE 5 – COUNTY OF ST. PAUL #19

| LAKE DESIGNATIONS | NUMBER OF LAKES | % OF COUNTY LAKES | % OF REGION'S LAKES WITH SAME DESIGNATION |
|---|---|---|---|
| RECREATION | 24 | 36 | 27 |
| CONSERVATION | 20 | 31 | 12 |
| PRESERVATION | 22 | 34 | 16 |
| TOTAL | 66 | | |

TABLE 6

Lake Designations
COUNTY OF SMOKY LAKE #13

| Lake | Legal Description | Lake | Legal Description |
|---|---|---|---|
| **RECREATION** | | | |
| Bonnie Lake | 59/60-13-4 | Hanmore Lake | 61-17-4 |
| Cache Lake | 59-12-4 | Kaduk Lake | 60-15-4 (sec 25,36) |
| Garner Lake | 60-12-4 (County 13 and 19) | Mons Lake | 60-16-4 |
| Goodfish Lake | 61-13-4 | Saddle Lake | 58-11/12-4 |
| **CONSERVATION** | | | |
| Hamilton Lake | 59-13/14-4 | Unnamed | 59-15-4 (sec 14,15) |
| Wayetenau Lake | 61-13-4 | Unnamed | 60-13-4 (sec 23,25,26) |
| Unnamed | 57-13-4 (sec 30) | Unnamed | 60-14-4 (sec 2) |
| Unnamed | 57-14-4 (sec 26) | Unnamed | 60-14-4 (sec 8) |
| Unnamed | 58-13-4 (sec 25) | Unnamed | 60-16-4 (sec 14) |
| Unnamed | 58-13-4 (sec 28) | Unnamed | 60-18-4 (sec 35) |
| Unnamed | 58-13-4 (sec 36) | Unnamed | 61-15-4 (sec 35,36) |
| Unnamed | 58-14-4 (sec 29) | Unnamed | 61-16-4 (sec 25) |
| Unnamed | 59-14-4 (sec 17) | Unnamed | 61-16-4 (sec 29) |
| **PRESERVATION** | | | |
| Hollow Lake | 61-19-4 (sec 10,11) | Unnamed | 60-17-4 (sec 23) |
| Smoky Lake | 59/60-18-4 | Unnamed | 60-17-4 (sec 25) |
| Unnamed | 59-15-4 (sec 8,9) | Unnamed | 60-18-4 (sec 28,29,32,33) |
| Unnamed | 59-15-4 (sec 30) | Unnamed | 61-15-4 (sec 12) |
| Unnamed | 60-12-14 (sec 18) | Unnamed | 61-15-4 (sec 13) |
| Unnamed | 60-15-4 (sec 28,29) | Unnamed | 61-15-4 (sec 15,16,22) |
| Unnamed | 60-17-4 (sec 2,11) | Unnamed | 61-19-4 (sec 12) |
| Unnamed | 60-17-4 (sec 17,20) | | |

## 4.0 Applications

Every municipality is different in its view of, and approach to, the management of its lakes. That is why this lake planning framework does not prescribe the manner in which it should be used. Instead, a range of options are available which could be used individually or in combination. The best course of action will be that which is most appropriate for the County of Smoky Lake, in light of its lake resources, the demand for these resources, and the degree to which the Council wishes to be involved in the management of the County's resources.

The County of Smoky Lake may wish to:

1. Utilize the information provided by the lake planning framework when responding to subdivision and development proposals.
2. Adopt the lake planning framework as a guideline for the use of the County's lakes. This can be done through a general municipal plan or land use strategy, land use bylaw or order, or by resolution by council.
3. Establish standards, guidelines and criteria for lake oriented recreation development.
4. Initiate lake planning programs for lakes which are currently experiencing development pressure or conflicts, or lakes which may or should experience pressures in the future.

It is important to remember that there are several government and private agencies that share an interest in the use of this province's lakes and their shorelands. They too have information and policies which should be utilized when considering appropriate lake uses. In particular, Alberta Recreation and Parks, Alberta Tourism and Small Business, Alberta Environment (Cold Lake-Beaver River Water Management Study), and Alberta Energy and Natural Resources (Lakeland Integrated Resource Plan) all address the use and/or management of various lakes in the region.

Regardless of how the County of Smoky Lake choose to use the lake planning framework, it is hoped that this report has provided a broad picture of the type of lake resources found in the Lakeland Region and their potential for future use and enjoyment.

# Appendix A
## Identification of Preservation Lakes

A list of five criteria, each an indicator of valuable wildlife or waterfowl resources, was developed. The criteria were not all considered to be of equal importance, therefore a weighting system was established. Each lake was rated using the five criteria, and their respective weighted scores. Any lake which received a total score of two or more using this system was designated as a preservation lake.

1. Lake has Class 1, 1W or 2W ungulate capability shoreline under the Canada Land Inventory (weighted score = 1)
2. Lake has Class 1, 1S, 2, 2S, 3S or 3M waterfowl capability under the Canada Land Inventory (weighted score = 2)
3. Lake has Class 1 or 2 sport fishing capability under the Canada Land Inventory System (weighted score = 2)
4. Lake has been identified by Alberta Fish and Wildlife on their "Key Wildlife Areas" map as having either ungulate or waterfowl production (weighted score = 2)
5. Lake has been identified by Alberta Fish and Wildlife on their "Key Wildlife Areas" map as a nesting site for: Peregrine Falcons, Osprey, Great Blue Heron, Cormorants or Pelicans (weighted score = 2)

Explanation of symbols and terminology:

CLASS – Canada Land Inventory rates resources on a scale from 1 to 7, with 1 being the best or highest capability

W – wintering range for ungulates

S – important migration stop for waterfowl

M – important migration or wintering stop for waterfowl

# Appendix B
# Recreation Lake Profiles

All lakes in the County of Smoky Lake which appeared initially to have recreation potential have been studied in more detail.[1] The following profiles summarize the type of information gathered and assessed and the recommended lake designation, for each of these lakes.

Some explanatory notes:

1. The information was collected in August 1980 and updated in October 1983.
2. The information provided in the profiles is very general in nature and is not substitute for site specific analysis necessary for subdivision and development.

## A. Resource Base

3. All measurements are in metric.[2]
4. Canada Land Inventory (C.L.I.) ratings range from 1 (highest capability to 7)(lowest capability). Ratings which are followed by an asterisk (*) are resources considered to be regionally or provincially significant.
5. C.L.I. ratings for recreation are followed by an approximate measure of the length and percentage of the lake's shoreline in each class.

## B. Development Support Information

6. Soil capability for sewage assimilation and intensive recreation is rated as either poor, fair or good.
7. Slopes greater than 15% (ie rising 15 meters or more per 100 meters) is considered less desirable for building due to the potential for erosion and slippage.

## C. Existing Development

8. Existing road access or development is noted, as well as their approximate location on the lakeshore.
9. The Planning Act does not distinguish between cottages and permanent rural residences. The term "country residential" is used in the profiles to represent either or both of these types of residences.

## D. Comments/Evaluation

10. Wetland habitat refers to swamps and marshes which support waterfowl or wildlife. They can be shallow or more permanent in nature and are rated as poor, fair, good or excellent.

NOTE 1. A profile was not prepared for Garner Lake because a detailed lake management study and an area structure plan have already been completed for this recreation lake.

NOTE 2. Approximate metric conversions:
1 hectare (ha) = 2.5 acres
1 kilometre (km) = 0.6 miles
1 metre (m) = 3.3 feet

## LAKE PROFILE

NAME: BONNIE LAKE MUNICIPALITY: COUNTY OF SMOKY LAKE
LEGAL DESCRIPTION: Section Township 59&60 Range 13 West 4

A. RESOURCE BASE

Lake Area — 402 ha Shorelength — 18 km Depth — 7.6 m maximum
C.L.I. Waterfowl — 4 Ungulates — 3, 4 Sportfishing — 2*
Recreation — Class 2 - 0.2 km (.9%); Class 3 - 1.4 km (7.8%)
Class 4 - 5.3 km (28.7%); Class 5 - 11 km (62.6%)

B. DEVELOPMENT SUPPORT INFORMATION

Soil Capability for:

- Sewage Assimilation — mainly good; some poor (north & east); some unsuitable (north)
- Intensive Recreation — mainly good; some poor (north & east backshore)

Slope — generally 0 - 5%; some 5 - 9% (west & east backshore)

C. EXISTING DEVELOPMENT

Access-direct at southwest on a secondary road, 2.4 km to a prov. hwy; Alternate access at east shore.

Development-Provincial campsite (southwest); municipal park (south); golf course (south); 1/4 section crown land (north); 2 multi-lot subdivisions (south) - total lots 111.

D. COMMENTS/EVALUATION

- good fishing
- numerous weedbeds (especially north shore)
- becoming eutrophic
- if pollution problems are cleared up, lake could probably support some further low density country residential development extensive areas(particularly south and west shores) of gradual slope and good soils for sewage assimilation
- Lake study may be advisable prior to further development

E. RECOMMENDATION

[X] RECREATION [ ] CONSERVATION [ ] PRESERVATION

## LAKE PROFILE

NAME: CACHE LAKE MUNICIPALITY: COUNTY OF SMOKY LAKE
LEGAL DESCRIPTION: Section Township 59 Range 12 West 4

A. RESOURCE BASE

Lake Area — 960 ha Shorelength — 24 km Depth — 75-80% .6 m
3.7 m maximum

C.L.I. Waterfowl — 1*, 3 Ungulates — 2*, 3, 4 Sportfishing — 4

Recreation — Class 3 - 0.3 km (1.3%), Class 4 - 1.0 km (4.0%),
Class 5 - 23 km (94.5%)

B. DEVELOPMENT SUPPORT INFORMATION

Soil Capability for:

- Sewage Assimilation — mainly fair; some good (southwest)
- Intensive Recreation — mainly fair, some good (southwest)

Slope — general 5-9%; some 0-5% (north, west & south), and some 9-15% (southeast)

C. EXISTING DEVELOPMENT

Access-Direct to a provincial hwy. at north; several other access points around lake

Development-hotel/motel/rental cabins; sports field; community hall; some crown land (west); Cache Lake Indian Reserve (south)

D. COMMENTS/EVALUATION

- no fishing
- no firm beach
- abundant weeds and marsh
- very shallow
- lake appears to be unsuitable for public recreation
- could perhaps support some low density country residential development

E. RECOMMENDATION

[X] RECREATION [ ] CONSERVATION [ ] PRESERVATION

## LAKE PROFILE

NAME: GOODFISH LAKE MUNICIPALITY: COUNTY OF SMOKY LAKE
LEGAL DESCRIPTION: Section Township 61 Range 13 West 4

A. RESOURCE BASE

Lake Area — 881 ha Shorelength — 17 km Depth — 18 m
C.L.I. Waterfowl — 2*, 6 Ungulates — 3, 4 Sportfishing — 1*
Recreation — Class 3 - 2.1 km (12.0%), Class 5 - 4.3 km (66.7%)
Class 4 - 3.7 km (21.3%)

B. DEVELOPMENT SUPPORT INFORMATION

Soil Capability for:

- Sewage Assimilation — mainly fair; some poor (south & east)
- Intensive Recreation — mainly good; some poor (south & east)

Slope — a mixture ranging from 0 - 15%

C. EXISTING DEVELOPMENT

Access-direct at east to secondary road, approximately 21 km to a prov. hwy.
Development-boat rental agency (northwest); mainly crown land; 1 multi-lot subdivision - total of 26 lots

D. COMMENTS/EVALUATION

- good fishing; clear, fresh water lake
- numerous weed beds (south half of east shore)
- marshy area (southeast)
- firm, sandy beaches, particularly along west shore of lake
- lake could support some intensive public recreation - possibly a provincial park
- ENR proposal for multi-lot country residential subdivision in 1981 (south-west)

E. RECOMMENDATION

[X] RECREATION [ ] CONSERVATION [ ] PRESERVATION

## LAKE PROFILE

NAME: HAMILTON LAKE MUNICIPALITY: COUNTY OF SMOKY LAKE
LEGAL DESCRIPTION: Section Township 59 Range 13 & 14 West 4

A. RESOURCE BASE

Lake Area — 93 ha Shorelength — 5.9 km Depth — ?
C.L.I. Waterfowl — 5 Ungulates — 4 Sportfishing — ?
Recreation — Class 4 - 4.3 km (73.0%)
Class 5 - 1.6 km (27.0%)

B. DEVELOPMENT SUPPORT INFORMATION

Soil Capability for:

- Sewage Assimilation — Fair
- Intensive Recreation — Good

Slope — 0 - 5%

C. EXISTING DEVELOPMENT

Access-direct at north on a secondary road; 5.6 km to a provincial highway
Development-none

D. COMMENTS/EVALUATION

- small lake
- marshy shoreline (southwest)
- sandy bottom
- potential for recreation is limited due to steep banks and relatively small size of lake
- possible conservation lake

E. RECOMMENDATION

☐ RECREATION ☒ CONSERVATION ☐ PRESERVATION

## LAKE PROFILE

NAME: HANMORE LAKE MUNICIPALITY: COUNTY OF SMOKY LAKE
LEGAL DESCRIPTION: Section Township 61 Range 17 West 4

A. RESOURCE BASE

Lake Area — 300 ha Shorelength — 11 km Depth — 22 m maximum
C.L.I. Waterfowl — 5 Ungulates — 2*, 4 Sportfishing — 2*
Recreation — Class 3 - 2.7 km (24.3%), Class 4 - 5.8 km (51.4%)
Class 5 - 2.7 km (24.3%)

B. DEVELOPMENT SUPPORT INFORMATION

Soil Capability for:

- Sewage Assimilation — fair
- Intensive Recreation — mainly good; some fair (east)

Slope — a mixture ranging from 0 - 15%

C. EXISTING DEVELOPMENT

Access-direct at south-west to a municipal road; 22 km to a prov. hwy.
Development–prov. campsite (south-west); County park; dispersed cottages; approximately 50% crown land

D. COMMENTS/EVALUATION

- good fishing
- Classes 3 & 4 have extensive areas of gradual slopes and fair soils - could probably support some further low density country residential development
- potential for some public recreational use

E. RECOMMENDATION

[X] RECREATION [ ] CONSERVATION [ ] PRESERVATION

## LAKE PROFILE

NAME: KADUK LAKE MUNICIPALITY: COUNTY OF SMOKY LAKE
LEGAL DESCRIPTION: Section 25, 36 Township 60 Range 15 West 4

A. RESOURCE BASE

Lake Area — 78 ha Shorelength — 4.2 km Depth — ?
C.L.I. Waterfowl — 3 Ungulates — 2, 4 Sportfishing — ?
Recreation — Class 6 - 4.2 km (100%)

B. DEVELOPMENT SUPPORT INFORMATION

Soil Capability for:

- Sewage Assimilation — poor
- Intensive Recreation — fair

Slope — 9-15%

C. EXISTING DEVELOPMENT

Access-direct to mun. rd., 10 km to a prov. hwy.
Development-mun. campsite
all crown land

D. COMMENTS/EVALUATION

– sandy shoreline in vicinity of campsite
– possible public recreation for day use or camping

E. RECOMMENDATION

[X] RECREATION [ ] CONSERVATION [ ] PRESERVATION

## LAKE PROFILE

NAME: MONS LAKE MUNICIPALITY: COUNTY OF SMOKY LAKE
LEGAL DESCRIPTION: Section Township 60 Range 14 West 4

A. RESOURCE BASE

Lake Area — 273 ha Shorelength — 5.9 km Depth — 64 m maximum
C.L.I. Waterfowl — 3 Ungulates — 3, 4 Sportfishing — 2*
Recreation — Class 3 - 0.3 km (5.4%); 4 - 2.4 km (54.0%)
Class 5 - 2.4 km (40.5%)

B. DEVELOPMENT SUPPORT INFORMATION

Soil Capability for:

- Sewage Assimilation — a mixture ranging from good to unsuitable
- Intensive Recreation — mostly good; some fair (east and west); and some unsuitable (west and southeast)

Slope — a mixture ranging from 0-5%

C. EXISTING DEVELOPMENT

Access-direct at south to a secondary rd. 8.0 km to a prov. hwy.
Development-County park; community hall; 3 multi-lot subdivisions - total 155 lots (south); dispersed cottages or farms

D. COMMENTS/EVALUATION

- good fishing
- numerous weed beds along shoreline
- extensive areas of Class 3 & 4 (north and east) have good sewage assimilation and gradual slopes - could probably support some moderate density country residential development
- lake study may be appropriate prior to further development

E. RECOMMENDATION

[X] RECREATION [ ] CONSERVATION [ ] PRESERVATION

## LAKE PROFILE

NAME: SADDLE LAKE MUNICIPALITY: COUNTY OF SMOKY LAKE
LEGAL DESCRIPTION: Section Township 58 Range 11 & 12 West 4

A. RESOURCE BASE

Lake Area — 608 ha Shorelength — 11 km Depth — ?
C.L.I. Waterfowl — 5 Ungulates — 2*, 3 Sportfishing — 2*
Recreation — Class 2 - 0.3 km (2.8%); Class 3 - 1.0 km (8.3%)
Class 4 - 5.6 km (48.6%); Class 5 - 4.7 km (40.3%)

B. DEVELOPMENT SUPPORT INFORMATION

Soil Capability for:

- Sewage Assimilation — mainly good; some fair (east)
- Intensive Recreation — mainly good; some fair (east)

Slope — generally a mixture of 0-5% (south) and 5-9% (north & east); some 5-9% (northeast)

C. EXISTING DEVELOPMENT

Access-direct at east to a municipal road; approx. 9.6 km to a provincial highway
Development-Spectator facilities; recreational park; sportsfield; community hall; all of lake is within Saddle Lake Indian Reserve

D. COMMENTS/EVALUATION

- good fishing
- lake appears to have a high capability recreational shoreline
- Class 2B (east) and 3B (south) have sandy beaches, gradual slope and generally fair soils
- Could probably support some fairly intensive public use
- extensive areas of Class 4 (north) with good sewage assimilation & gradual slopes
- potential for moderate density country residential development

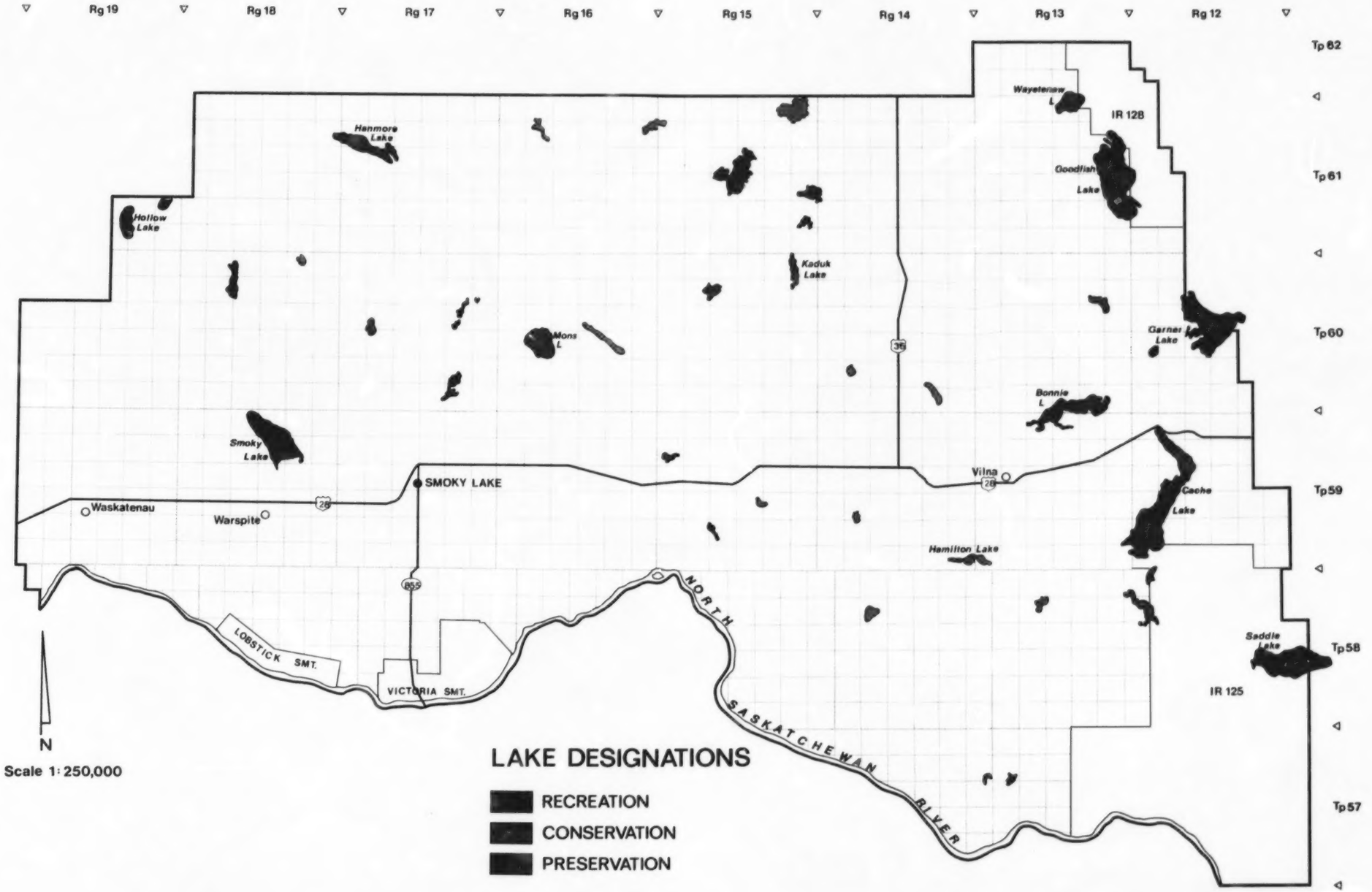
E. RECOMMENDATION

[X] RECREATION [ ] CONSERVATION [ ] PRESERVATION

Map 2

Lake Planning Framework

COUNTY OF SMOKY LAKE #13




## LAKE DESIGNATIONS

- RECREATION
- CONSERVATION
- PRESERVATION

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